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10/695,113	10/28/2003	Charles F. Weber	10541-1874	6125
29074 75	590 11/16/2005		EXAMINER	
VISTEON			LIEU, JULIE	BICHNGOC
C/O BRINKS HOFER GILSON & LIONE		ART UNIT	PAPER NUMBER	
PO BOX 10395			ARTONII	TATER NOMBER
CHICAGO, IL	60610		2636	

DATE MAILED: 11/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	<u> </u>				
	Application No.	Applicant(s)			
Office Action Summary	10/695,113	WEBER, CHARLES F.			
Onice Action Summary	Examiner	Art Unit			
T	Julie Lieu	2636			
The MAILING DATE of this communication app Period for Reply	ears on the cover sneet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be timed within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 24 O	ctober 2005.				
2a) This action is FINAL . 2b) ☐ This	action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) ⊠ Claim(s) <u>1-22</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) <u>1-22</u> is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine	epted or b) objected to by the Id drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document: 2. Certified copies of the priority document: 3. Copies of the certified copies of the priority document: application from the International Bureau * See the attached detailed Office action for a list 	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:				

Application/Control Number: 10/695,113 Page 2

Art Unit: 2636

DETAILED ACTION

1. This office action is in response to Applicant's amendment filed June 13, 2005. Claims 1

and 14 have been amended.

2. The text of those sections of Title 35, U.S. Code not included in this action can be found

in a prior Office action.

Claim Rejections - 35 USC § 103

3. Claims 1-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hardman et

al. (US 2002/0126005) in view of Al-Ahmed (US Patent No. 6,384,740).

Claim 1:

Hardman discloses a system for identifying a location of a vehicle, the vehicle including a controller for monitoring status of a component of the vehicle, the system comprising:

a. a sensor 14 configured to transmit a component ID signal and a component status

signal

b. a first receiver 26 remote from the vehicle and configured to collect a component

ID signal from the sensor

c. a processor (host computer) in communication with the first receiver and adapted

to receive the component ID signal, and

d. a database (in host computer) in communication with the processor for storing the

component ID, wherein the processor is configured to correlate the component ID with a

vehicle ID.

The reference fails to clearly disclose the information regarding the location of the

receiver. However, the reference does suggest obtaining the vehicle information at a remote

station by using surveillance system. Also, the concept of providing the location of the receiver

in vehicle surveillance and control is well known in the art as taught in Al-Ahmed, wherein the

location of a remote terminal unit which detects the condition of a vehicle, which in turn

represents the location of the vehicle where condition was detected, is reported to the monitoring

center. In light of this teaching, it would have been obvious to one skilled in the art to apply this

concept in the Harman system because it would be desirable to provide such information to the

monitoring facility.

Claim 2:

It is not clear that the processor in Hardman is configured to correlate the component ID

with a time that the component ID was received. Nevertheless, one skilled in the art would have

readily recognized correlating the time that the information was received in the combined system

of Hardman and Al-Ahmed because information such as time would be relevant, especially in

vehicle surveillance and control.

Claim 3:

Sensor 14 includes a radio frequency transmitter.

Claim 4:

Sensor 14 is a pressure sensor.

Claim 5:

Sensor 14 is mounted inside a tire 10.

Claim 6:

It is not clear whether sensor 14 in Hardman is mounted to a wheel of the vehicle.

However, the location where the sensor is mounted would not present an inventive step because the function of the device is not thereby be modified.

Claim 7:

Following discussion regarding claim 1, the component ID signal and the location of the first receiver are transmitted to the processor and the processor is located in a remote location to service a plurality of receivers.

Claim 8:

The system in Hardman further comprises a second transmitter and a second receiver as shown in fig. 1A. See [0060].

Claim 9:

Neither reference discloses that the component ID has the claimed particular combination. However, it would have been obvious to one skilled in the art to implement the system in Hardman and Al-Ahmed to have 2⁶⁴ as desired since this feature only represent the choice in the design and it is only up to the designer to select a combination that would best fit the application.

Claim 10:

Though not particularly address in the reference, it would have been obvious to one skilled in the art to correlate the vehicle identification number with the component ID signal

Application/Control Number: 10/695,113

Art Unit: 2636

because the reference discloses to monitor the tire pressure of vehicle from remote site. It is inherent that the VIN and the component are correlated so that such information can be identified which vehicle the tire in question belongs to.

Page 5

Claim 11:

The system in Hardman further has user interface 36. It is not clear that the processor in Hardman is configured to correlate the component ID with a time that the component ID was received. Nevertheless, one skilled in the art would have readily recognized correlating the time that the information was received in the combined system of Hardman and Al-Ahmed because information such as time would be relevant, especially in vehicle surveillance and control.

Claim 12:

It is not disclosed in either of the references that the user interface indicates a time and the Location that a component ID was received in response to a vehicle identification number input. However, a skilled artisan would have readily recognized adding a capability of finding time and the location that the component ID was received in response to the VIN input because it would allow the user to monitor a particular vehicle.

Claim 13:

Inherently, the user interface indicates the traffic density based on the Location of the receiver. That is, the more the number of received component ID, the higher the traffic density is indicated.

Claim 14:

The rejection of claim 14 recites the rejection of claims 1 and 6.

<u>Claims 15-22:</u>

The rejection of claims 15-22 recites the rejection of claims 2, 3, 7, and 9-13, respectively.

Applicant's Remarks

4. Applicant's arguments filed 6/13/05 have been fully considered but they are not persuasive.

Argument 1:

"Hardman teaches a tire monitoring system that transmits a component ID to processor located within the vehicle to track the tire pressure. However, Hardman does not teach or suggest a processor configured to correlate the component ID with a vehicle ID and a location of the first receiver to determine a vehicle location. Alternatively, Al-Ahmed teaches a remote receiver that directly obtains a vehicle ID. A component ID is not used or required in the Al-Ahmed system. Therefore, Al-Ahmed does not teach or suggest correlating a component ID with the vehicle ID. Clearly, Hardman and Al-Ahmed. cannot be simply combined to provide the present invention as neither system suggests the correlating the component ID with the vehicle ID."

Further, there is no motivation to combine the references including a correlation of the component ID and vehicle ID. Hardman processes the information internal to the vehicle and Al-Ahmed receives the vehicle, ID directly. Therefore, neither Hardman nor Al-Ahmed would have needed to correlate the component ID with the vehicle ID and receiver location to accomplish

their stated objectives. Only in hindsight would one find motivation for combining the references in the manner suggested by the examiner."

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Response to Applicant's Remarks

Applicant's argument that "Hardman teaches a tire monitoring system that transmits a component ID to processor located within the vehicle to track the tire pressure. However, Hardman does not teach or suggest a processor configured to correlate the component ID with a vehicle ID and a location of the first receiver to determine a vehicle location. Alternatively, Al-Ahmed teaches a remote receiver that directly obtains a vehicle ID. A component ID is not used or required in the Al-Ahmed system. Therefore, Al-Ahmed does not teach or suggest correlating a component ID with the vehicle ID. Clearly, Hardman and Al-Ahmed, cannot be simply combined to provide the present invention as neither system suggests the correlating the component ID with the vehicle ID" have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julie Lieu whose telephone number is 571-272-2978. The examiner can normally be reached on MaxiFlex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Hofsass can be reached on 571-272-2981. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Julie Lieu Primary Examiner Art Unit 2636

Nov. 09, 05